

Emergency Support Function (ESF) # 12

Energy & Utilities

Preface

Critical energy and utility infrastructure such as electrical power, natural gas, fuel and drinking water distribution and wastewater systems can be damaged or destroyed during catastrophic emergency events. This infrastructure is vital to support the health, safety and welfare of the public during emergency response.

Primary Agency

Milwaukee County Office of Emergency Management (OEM)

Milwaukee County, Wisconsin
Emergency Operations Center ESF # 12 – Energy & Utilities

Milwaukee County

AGENCIES:

Primary

Milwaukee County Office of Emergency Management

Support

Community Development Agency (and/or Planning and Zoning) (Municipal)

Law Enforcement

Milwaukee County Department of Administrative Services – Facilities Management

Milwaukee County Parks – Planning & Development

Private Sector Fuel Suppliers

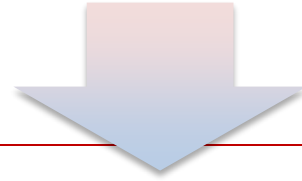
Public Health (Municipal)

Utilities: Electric

Utilities: Natural Gas

Utilities: Telecommunications

Utilities: Water & Wastewater



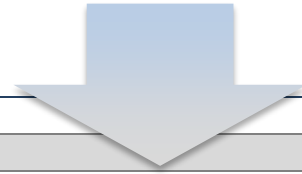
State of Wisconsin

Primary

- WI PSC – WI Public Service Commission

Support

- WEDC – WI Economic Development Corporation
- WEM – WI Emergency Management
- WI DATCP – WI Department of Agriculture, Trade & Consumer Protection
- WI DHS – WI Department of Health Services
- WI DMA – WI Department of Military Affairs
- WI DNR – WI Department of Natural Resources
- WI DOA – WI Department of Administration
- WI DOT – WI Department of Transportation



Federal

Primary

- Department of Energy

Support

- Department of Agriculture
- Department of Commerce
- Department of Defense
- Department of Homeland Security
- Department of the Interior
- Department of Labor
- Department of State
- Department of Transportation
- Environmental Protection Agency
- Nuclear Regulatory Commission
- Tennessee Valley Authority

Likely Support Includes:

- Collect, evaluate, and share information on energy system damage and estimations on the impact of energy system outages within affected areas.
- Provide information concerning the energy restoration process such as projected schedules, percent completion of restoration, and geographic information on the restoration.
- Facilitate the restoration of energy systems through legal authorities and waivers.
- Provide technical expertise to the utilities, conducts field assessments, and assists government and private-sector stakeholders to overcome challenges in restoring the energy system.

Emergency Support Function (ESF) # 12

Energy & Utilities

PURPOSE.

1. Respond to and recover from shortages and disruptions in the supply and delivery of electricity, telecommunications, wastewater and County public utilities, and other forms of energy and fuels.

POLICIES.

1. The County Executive and Board of Supervisors may establish energy allocation, use and restoration priorities.
2. The County Executive and Board of Supervisors may establish and order energy conservation measures.

PRIMARY DEPARTMENT RESPONSIBILITIES/TASKS BY PHASE	
MILWAUKEE COUNTY OFFICE OF EMERGENCY MANAGEMENT	
Pre-Emergency	<p>The Milwaukee County Office of Emergency Management works with partner agencies to:</p> <ol style="list-style-type: none">1. Maintain this Emergency Support Function (ESF).2. Identify local energy systems and providers.3. Establish, maintain resource inventories.4. Develop procedures for assessing damages to local utility distribution systems.5. Encourage mitigation practices at utility distribution facilities to reduce the potential effects of hazards on the utility's ability to deliver energy to local users.6. Participate in drills, exercises.7. Develop emergency action checklists.8. Monitor public utility related issues to prevent a surprise public utility shortage.9. Develop an operations plan for responding to public utilities shortages.
Emergency	<ol style="list-style-type: none">1. When notified, report to the Milwaukee County EOC.2. Coordinate energy utility activities with the appropriate tasked organizations.
Emergency Operations Center (EOC)	<ol style="list-style-type: none">1. Staff the ESF # 12 position in the EOC.2. Determine condition, status of County energy and utility systems.<ol style="list-style-type: none">a. Initiate damage assessment/recovery activities for local power, gas, water/ wastewater distribution systems.b. Determine possible affected areas, structures and resources needed for

PRIMARY DEPARTMENT RESPONSIBILITIES/TASKS BY PHASE**MILWAUKEE COUNTY OFFICE OF EMERGENCY MANAGEMENT**

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| | <p>energy restoration.</p> <ol style="list-style-type: none"> 3. Establish contact and coordinate with WE Energies <ul style="list-style-type: none"> • Request that WE Energies send a representative to Milwaukee County EOC or provide liaison contact information. 4. Coordinate with support departments/agencies, to establish priorities and develop strategies for the initial response and restoration of utilities. 5. Coordinate the provision of energy materials, supplies, and personnel for the support of emergency activities being conducted by the Milwaukee County EOC. 6. Communicate with and monitor County and utility response actions. 7. Maintain communication with utility representatives to determine emergency response and recovery needs. <ul style="list-style-type: none"> • Contact electric, gas, telephone, and water utilities serving the emergency area to obtain information about damage and/or assistance needed in their areas of operation. 8. Determine region's generating capacity, expected peak loads; expected duration of emergency event, explanation of utilities' actions; and recommendations of local agency actions in support of the utilities. 9. Provide assistance to local providers in locating and acquiring equipment necessary to restore local electrical and gas capabilities, and to restore the water/wastewater systems. <ol style="list-style-type: none"> a. Coordinate County government equipment and personnel as required to aid in this restoration. b. Procure needed resources to repair damaged energy systems. Such resources could include transportation to speed system repair as well as logistical support for utility field operations c. Work with local and state emergency organizations to establish priorities to repair damage to such systems. 10. Monitor the procedures followed by individual utilities during energy generating capacity shortages to ensure County-wide action and communication. 11. Determine present and future need for energy and utility resources. <ol style="list-style-type: none"> a. Coordinate with ESF # 6 Mass Care to identify emergency shelter power generation status/needs. b. Coordinate with support agencies and other ESF's with assistance in providing resources for emergency power generation. 12. Receive and assess requests for aid from County, state and federal agencies, energy offices, energy suppliers, and distributors. 13. Obtain, coordinate energy and utilities resources as requested by field incident commanders. 14. Sources for resources can include: <ol style="list-style-type: none"> a. State and federal agencies. b. Private industry. |
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PRIMARY DEPARTMENT RESPONSIBILITIES/TASKS BY PHASE	
MILWAUKEE COUNTY OFFICE OF EMERGENCY MANAGEMENT	
	<ol style="list-style-type: none"> 15. Establish, maintain contact with WEM Duty Officer. <ul style="list-style-type: none"> • Coordinate delivery of energy and utilities resources to affected areas. 16. Update the PIO with accurate assessments of energy supply, demand and requirements to repair or restore energy systems. <ul style="list-style-type: none"> • Inform PIO about generating capacity shortfalls. 17. Maintain accurate logs and other records of emergency responses. 18. Draft recommendations for after action reviews and other reports as appropriate. 19. Maintain records of cost and expenditures to accomplish this ESF and forward them to the EOC Finance/ Administration Section Chief.
Recovery Actions	<ol style="list-style-type: none"> 1. Coordinate the provision for resources to assist local, state and federal agencies in restoring emergency power and fuel needs. 2. Review recovery actions and develop strategies for meeting local energy needs. 3. Continue to monitor local, state and utility actions. 4. Coordinate restoring of all utilities to all County buildings. 5. Participate in after reviews. 6. Return organization and personnel to a state of operational preparedness.

SUPPORT DEPARTMENTS RESPONSIBILITIES/TASKS	
Community Development Agency (and/or Planning and Zoning) (Municipal)	<ol style="list-style-type: none"> 1. Act as Liaison with the business community for requests for restoration of utility services and / or repair of services.
Law Enforcement	<ol style="list-style-type: none"> 1. Provide security of fuel storage facilities, retail stores and distribution facilities / vehicles.
Milwaukee County Department of Administrative Services - Facilities Management	<ol style="list-style-type: none"> 1. Assist in finding, obtaining, managing or distribution of resources. 2. Assist with the coordination of private utilities on the restoration of essential utility services within the City and County.
Milwaukee County Parks – Planning & Development	<ol style="list-style-type: none"> 1. Assist with utility restoration planning.

Milwaukee County Procurement	<ol style="list-style-type: none"> 1. Identify sources and alternatives for fuel and electricity. 2. Maintain contact with vendors and maintain a list of resources.
Private Sector Fuel Suppliers	<ol style="list-style-type: none"> 1. Respond to requests for restoration of utility services and / or repair of services. 2. Coordinate with the EOC to prioritize the needs for fuel restoration services. 3. Identify required support agencies, begin mobilization of resources and personnel, and prepare to activate and direct utility restoration resources according to priorities. 4. Coordinate and facilitate the provision of fuel supplies to the County in quantities necessary to provide support to the recovery effort and to maintain the basic fabric of the community. 5. Provide mobile fueling resources.
Public Health (Municipal)	<ol style="list-style-type: none"> 1. Provide emergency public information and protective actions related to public health issues. 2. Test and certify water pot ability.
Telecommunications – Public Providers	<ol style="list-style-type: none"> 1. Assist in finding, obtaining, managing or distribution of resources. 2. Assist with the coordination of private utilities on the restoration of essential utility services within the County. 3. Restore utility system. 4. Source for heavy equipment.
Utilities: Electric	<ol style="list-style-type: none"> 1. Provide an assessment report on the status of electric systems and the impact of system outages. 2. Provide personnel, equipment, supplies, and other resources needed to restore electric systems critical to saving lives, protecting health, safety and property. 3. Provide the EOC with frequent updates as to the status of their electric systems.
Utilities: Natural Gas	<ol style="list-style-type: none"> 1. Provide an assessment report on the status of power systems and the impact of system outages. 2. Provide personnel, equipment, supplies, and other resources needed to restore power systems critical to saving lives, protecting health, safety and property. 3. Provide an assessment report on the status of natural gas systems and the impact of system outages. 4. Provide personnel, equipment, supplies, and other resources needed to restore natural gas systems critical to saving lives, protecting health, safety and property. 5. Upon request and when possible, provide an agency representative to the Emergency Operations Center.

Utilities: Water & Wastewater	<ol style="list-style-type: none">1. Assist in finding, obtaining, managing or distribution of resources.2. Assist with the coordination of private utilities on the restoration of essential utility services within the City and County.
ATTACHMENTS	None.
REFERENCES	None.

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